



JAMES A. NOYES, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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IN REPLY PLEASE
REFER TO FILE: **PJ-2**

May 5, 2004

TO: Each Supervisor

FROM: James A. Noyes
Director of Public Works

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT QUARTERLY CHANGE SUMMARY REPORT – PERIOD ENDING MARCH 2004 SPECS. 6550; C.P. 70787

Attached is our detailed Change Summary Report, identifying changes approved by your Board as well as changes approved under delegated authority for the period January through March 2004. All construction change order costs reported remain within the original project budget authorized by your Board on December 3, 2002, which includes a 7.9 percent change contingency.

Change Summary

In the quarter ending March 31, 2004, there have been 151 construction change orders executed under delegated authority, with a combined value of \$2,911,976, and funded from construction contingency funds. Also, three medical equipment changes were executed with an aggregate value of \$101,036, funded from the medical equipment contingency. In addition, one supplemental agreement was issued to HOK/LBL for \$44,629, funded from the architect/engineer contingency funds.

The aggregate value of executed construction change orders does not include the value of 530 potential changes currently under review. The scope and merit of each change issue must first be evaluated and then the cost negotiated. The combined value of these 530 issues could be as high as \$5,000,000 to \$6,000,000. When added to the \$2,911,976 of change orders executed to date, this results in a current estimated total potential change exposure of \$8,000,000 to \$9,000,000 against the \$39,400,000 Board approved contingency. We will include an estimate of this potential change exposure in each of our future updates to you.

Each Supervisor
May 5, 2004
Page 2

Part 1 of the attachment summarizes the executed changes and provides an analysis of the remaining contingencies. Part 2 of the attachment lists the individual executed changes for the period January through March 2004. In addition to providing this quarterly summary to your Board, we provide an itemized list of every change and proceed order executed by Public Works at the monthly Project Advisory Committee meetings.

If you have any questions or need additional information, please call me or your staff may contact David Howard at (626) 300-2300.

SB:pdw

Quarterly change order report Jan-Mar 2004.doc

Attach.

cc: Chief Administrative Office (John Edmisten, Norm Braverman)
Executive Office
Department of Health Services (Fred Leaf, Azar Kattan)
Project Advisory Committee (Nick Patsaouras, A. Redmond Doms, Jerry Epstein)

bc: Tom Remillard
Jacob Williams
Architectural Engineering (Sparks)
Project Management I (Howard, Bolger, Brehm, Dermenjian)

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT
CHANGE SUMMARY ANALYSIS
 (January 1, 2004, to March 31, 2004)

Total Change Orders Issued this Quarter	151
Total Value of All Construction Changes this Quarter	\$2,911,976
Total Value of All Medical Equipment Changes this Quarter	\$101,036
Total Value of All A/E and Consultant Services Changes this Quarter	\$44,629
Total Value of All Changes This Quarter	\$3,057,641

CONSTRUCTION CHANGES

Board Approved Contingency	Last Quarter Remaining Balance	Changes Executed This Quarter	Balance Remaining This Quarter	Percent of Contingency Remaining
\$39,488,624	\$39,260,125	\$2,911,976	\$36,348,149	92.05%

MEDICAL EQUIPMENT AND FFE CHANGES

Board Approved Procurement Contingency	Last Quarter Remaining Balance	Changes Executed This Quarter	Balance Remaining This Quarter	Percent of Procurement Contingency Remaining
\$6,000,000	\$6,000,000	\$101,036	\$5,898,964	98.32% (1)

A/E AND CONSULTANT SERVICES CHANGES

Board Approved Contingency	Last Quarter Remaining Balance	Changes Executed This Quarter	Balance Remaining This Quarter	Percent of Contingency Remaining
\$7,393,416	\$6,969,027	\$44,629	\$6,924,398	93.66% (2)

Note:

1. Medical Equipment Changes
 - a. 1A-Delete Inpatient Robotic Pharmacy System and replace with Pyxis System -\$194,000
 - b. 4-Replace Medium Energy Linear Accelerator (LI23) with High Energy Linear Accelerator \$524,086
 - c. Oncology Department-Delete tissue compensator system and orthovoltage therapy unit -\$229,050
2. HOK/LBL Associated Architects-Supplemental Agreement 3 (not to exceed amount of \$44,629) for plan changes to the D&T and IPT Pharmacy

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT
CHANGE DETAIL ANALYSIS
(January 1, 2004, to March 31, 2004)

Building	Description	Change Number	Date Executed	VALUE	
Outpatient Department Building	Footing at C.8 line (Bul OP-14)	00038	01/06/04	\$10,039.00	1
	ICW Pipe Clarification (RFI 362)	00043	01/06/04	\$5,431.00	2
	Shaft 6 Modifications	00062	01/06/04	\$1,517.00	3
	LVL 2 Metal Deck Change (SSK-172)	00069	01/06/04	\$4,441.00	4
	Alternate handrail posts (451)	00081	01/06/04	\$5,085.00	5
	1st floor shaft 3 wall (RFI-399)	00085	01/06/04	\$506.00	6
	Top of C.8 Wall Detail (190)	00061	01/07/04	\$553.00	7
	Waste line deletion (469)	00082	01/07/04	\$0.00	8
	Glazed Aluminum Detail (203)	00053	01/20/04	\$0.00	9
	Electrical Panel Locations (654)	00095	01/20/04	\$850.00	10
	Spec Change Exterior Finishes OP-34	00105	01/20/04	\$0.00	11
	Add blackout/Add plate (613/721)	00109	01/20/04	\$13,236.00	12
	Wall changes for elec panel (594)	00115	01/20/04	\$1,457.00	13
	Moment connection at column (322)	00033	01/27/04	\$4,041.00	14
	Shaft A4/2hr Fire/Wall Type	00079	01/27/04	\$0.00	15
	Bulletin 22 Solder End Valves	00087	01/27/04	\$0.00	16
	Misc. Shoring Issues (Bull 6)	00014	02/02/04	\$17,257.00	17
	Moment Beam Framing	00002	02/04/04	\$7,266.00	18
	Vert Bracing Clarification-RFI #137	00006R1	02/04/04	\$1,909.00	19
	Canopy Soffit Beam Elevation	00010R1	02/04/04	\$3,139.00	20
	Sanitary Sewer Fix	00027	02/04/04	\$2,535.00	21
	TS horiz bracing conn to col (326)	00036	02/04/04	\$1,149.00	22
	Shaft #6 Seismic Conn. (246-R1)	00041	02/04/04	\$0.00	23
	Precast Edge Changes (Bull 17)	00098	02/04/04	\$6,058.00	24
	Delete Fire/Smoke Dampers (Bull 23)	00099	02/04/04	(\$4,054.00)	25
	Panel Relocations-LVL 5, 6, 7 (733)	00113	02/04/04	\$2,859.00	26
	W12 Flange fouls flange W36 (157R1)	00046	02/17/04	\$119.00	27
	Piping and sleeve req'ts (358/367)	00049	02/17/04	\$0.00	28
	Additional TS for Precast (412)	00054	02/18/04	\$3,889.00	29
	Beam Revision - Level 8	00070	03/02/04	\$1,445.00	30
	Fire Sprinkler Piping (885)	00128	03/08/04	\$0.00	31
	Add Rebar for OrthoVolt Door 1A413A	00083	03/16/04	\$0.00	32
Central Plant	Beam Connections (IB-38, 43)	00041	01/07/04	\$10,530.00	33
	Added reinforcement @ U/ 30.8 to 30	00052	01/20/04	\$645.00	34
	Structural IB's 57, 59	00057	01/20/04	\$0.00	35
	Connection @ Grid R/24 (IB-67)	00068	01/20/04	\$0.00	36
	Structural IBs 61, 62, 63	00063	01/21/04	\$0.00	37
	W24 Drag Connection Req. (IB-19)	00028R1	01/26/04	\$2,096.00	38
	Str. IB's 32, 37 (RFI's 158, 25)	00040	01/26/04	\$3,849.00	39
	Structural IBs 45, 48	00046	01/26/04	\$1,551.00	40
	W12 Connection Modifications IB-18	00027R1	02/05/04	\$413.00	41
	Emerg Gen Door Alcove (Bul 13,13R1)	00030	02/05/04	\$9,080.00	42
	Elimination of Addl Reinf. (IB-58)	00058	02/05/04	\$0.00	43
	Cooling Tower Col/Reinf (IB-65)	00067	02/05/04	\$0.00	44
	Contaminated Soil Removal&Disposal	00002	02/09/04	\$1,174,186.00	45
	Floor Embeds in DWP Vault	00061	03/01/04	\$8,753.00	46
	Structural IB's 33, 39, 40, 42	00039	03/04/04	\$23,472.00	47
	Welded Couplers at Structural Col.	00051	03/10/04	\$0.00	48
	Subsurface Drainage System (CP-08)	00029	03/25/04	\$12,678.00	49
Diagnostic & Treatment Building	RFI's 358 & 124-R1	00037	01/06/04	\$1,067.00	50
	RFI 452, Type 3 Waterproofing	00041	01/06/04	\$589.00	51
	RFI's 261, 273, 274 Mech Open IB30	00053	01/06/04	\$2,934.00	52
	RFI 377-R1 Rodent Screen in B1	00055	01/06/04	\$2,237.00	53
	RFI 611, Low walls @ sump area	00072	01/06/04	\$1,780.00	54
	RFI #280 Support for Kicker Angles	00022	01/07/04	\$4,779.00	55
	RFI 408 Blockouts for Comm	00060	01/07/04	(\$1,096.00)	56
	RFI 549 Hydro Elevs: Bat vs Emo Pwr	00064	01/07/04	(\$946.00)	57
	RFI #119, RF Shield Detail in 1D426	00015	01/26/04	\$0.00	58
	IB's 17, 23, 24, 31, 34	00032	01/27/04	\$3,980.00	59
	RFI 373 Underground P-Tube Run	00044	02/05/04	\$0.00	60
	RFI 547, Brace Frame Elev 15-16	00080	02/11/04	\$2,678.00	61
	RFI 636 Fire Sprinkler Piping Systm	00086	02/23/04	\$0.00	62
	RFI 516 Lighting Control	00057	03/09/04	\$0.00	63
	IB 88 & 95, RFI 708	00089	03/09/04	\$0.00	64
	RFI #197 Welding of Stiffener Plate	00018	03/11/04	\$11,491.00	65
	RFI 299 IB 84 Isolator Base Plates	00059	03/11/04	\$2,845.00	66
	RFI 415 Spare Base Isolator Bearing	00067	03/11/04	\$3,348.00	67
	RFI 12R1 Elev.13-16 Pit Depth, IB14	00010	03/15/04	\$9,596.00	68
	RFI #144, P-Trap at Elevator Drain	00012	03/15/04	(\$449.00)	69
				\$ 90,727.00	32
				\$ 1,247,253.00	49

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT
CHANGE DETAIL ANALYSIS
 (January 1, 2004, to March 31, 2004)

Building	Description	Change Number	Date Executed	VALUE	
	RFI 236 Face of TS Dim. at S3, IB35	00026	03/15/04	\$2,370.00	70
	RFI 348 & 348-R1 - Wall/slab Opening	00031	03/15/04	\$565.00	71
	RFI's 383, 384 & 385	00048	03/15/04	\$2,570.00	72
	RFI 650, Elev 15-16 Operat to Flr 6	00079	03/15/04	\$3,814.00	73
	RFI 659 Elevator Room Doors	00081	03/15/04	\$441.00	74
	RFI 652 Structural Requirements for	00084	03/15/04	\$1,913.00	75
	RFI 720 Alternate connection	00087	03/15/04	\$0.00	76
	RFI 604, 683, & 684	00088	03/15/04	\$0.00	77
	RFI's 148-R2 & 367, IB 50	00030	03/22/04	\$3,509.00	78
	RFI #307 High CFMs in Rm 1C380	00023	03/31/04	\$1,680.00	79
	RFI's 356, 322-R1, & 292	00042	03/31/04	\$7,691.00	80
	RFI 335R2, 463R1 & 500, IB64-65	00058	03/31/04	\$2,403.00	81
				\$ 71,789.00	
Inpatient Tower	IB#26 Rvsd Bolt Spcng@BasePlate	00014	01/07/04	\$2,852.00	82
	Bltns/VariousRFI's 208 to 260	00047	01/07/04	\$1,522.00	83
	Bltns/VariousRFI's; 198, 201, 202, 206	00048	01/07/04	\$781.00	84
	Deck support requirements	00166	01/07/04	\$1,559.00	85
	One Dowel misplaced at J.2 at 21	00179	01/07/04	\$0.00	86
	Plumbing Risers in CMU Walls	00312	01/07/04	\$0.00	87
	Encased steel beam @ Grid K & 32-33	00330	01/07/04	\$0.00	88
	MEDICAL GAS DISCREPANCIES (OXYGEN)	00207	01/26/04	\$3,308.00	89
	"B" Line Wall @ Existing Shoring	00212	01/26/04	\$9,399.00	90
	HOT - Plate washer requirements	00227	01/26/04	\$3,563.00	91
	Conc. wall thickness at 33.6/K1-K6	00041	01/27/04	(\$876.00)	92
	WALL FURRING INCREASE, ROOM 1P416	00097	01/27/04	\$0.00	93
	Institutional spr head locations	00131	01/27/04	\$0.00	94
	SS-1 OVER BEAM IN RM. NO. 2N126	00151	01/27/04	\$0.00	95
	Panel Joint Location at Col. 31	00153	01/27/04	\$0.00	96
	2nd Flr slab penetration @ "L"e- rm	00194	01/27/04	\$0.00	97
	Loading dock wall tie to stair R4	00228	01/27/04	\$0.00	98
	Drilling & grout masonry wall dowel	00262	01/27/04	\$0.00	99
	IB#94, Drill/ dowel, amblnce tunnel	00275	01/27/04	\$0.00	100
	IB#93, Bent dowels @ elevator 4,5,6	00276	01/27/04	\$0.00	101
	Optical Turnstile relocation	00283	01/27/04	\$0.00	102
	IB#76 Revised Spec. #05315.2.1A	00290R1	01/27/04	\$0.00	103
	IB#108 DrillingGroutMasonryWallDwl	00300	01/27/04	\$0.00	104
	IB#28 Shaft Space	00054	01/29/04	\$1,046.00	105
	IB#65 WeldedBmFingeTmsitions@Col	00178	01/29/04	\$527.00	106
	missing dowel between 22 to 22.9@ K	00246	01/29/04	\$6,878.00	107
	Lighting Dimmer Switch: Elev 1-D1	00302	01/29/04	(\$1,055.00)	108
	IB#115 ConfirmDetail/2"-6"Openings	00337	01/29/04	\$0.00	109
	DOOR KING STUDS	00348	01/29/04	\$0.00	110
	DOOR KING STUDS	00353	01/29/04	\$0.00	111
	TS column base plate grid 33.6	00376	01/29/04	\$0.00	112
	Pipe Size To Equipment #256	00141	02/04/04	\$321.00	113
	SLAB OPENINGS	00154	02/04/04	\$4,115.00	114
	Pilaster H.4/17.3 dowels	00050	02/10/04	\$1,679.00	115
	IB#73 RFI'S 662 & 692 Pit Deletn	00263	02/10/04	\$895.00	116
	Recessed Floor Rad Rm: 1J114	00352	02/10/04	\$1,698.00	117
	VAV Access Above Security Ceilings	00378	02/18/04	\$629.00	118
	Bltns/VariousRFI's; 311, 329, 333	00037	02/19/04	\$2,167.00	119
	Precast and Concrete Curb	00185	02/19/04	\$4,347.00	120
	ROOF DRAINS AND PIPING AREA P3	00226	02/19/04	\$342.00	121
	Top of steel elevation of outrigger	00317	02/19/04	\$1,544.00	122
	Hydro Elev: Battery vs Emo Pwr	00326	02/19/04	(\$946.00)	123
	Lvl 2-L2 Brace/Duct Conflict	00359	02/19/04	\$3,629.00	124
	STEAM LINE AND DRIP LEG PIPING	00360	02/19/04	\$122.00	125
	L2.K3, J2 DUCT/BRACE PLATE ISSUE	00399	02/19/04	\$5,128.00	126
	IB#113 PropaneTank Encl.	00332	02/23/04	\$11,867.00	127
	Top of steel elevation	00356	02/23/04	\$1,408.00	128
	Stair G1 Beam Locations Conf.	00375	02/23/04	\$1,665.00	129
	IB#29 Beam to concrete connections	00053	03/01/04	\$5,497.00	130
	Hot & Cold Water Pipe Sizing Table	00211R1	03/01/04	\$0.00	131
	IB#89, Elev 7-10: Frame v Bm:Shaft	00280	03/01/04	\$0.00	132
	Cap Plate @ TS & Pipe Column	00329	03/01/04	\$0.00	133
	IB#133 Modify connection	00414	03/01/04	\$0.00	134
	BP Slotting at Out of Tolerance AB	00381	03/02/04	\$0.00	135
	Grid Location Discrepancy	00135	03/10/04	\$0.00	136
	IB#90 SPLICE PLATE, RFI'S 681 & 797	00278	03/11/04	\$3,097.00	137
	Incorrect anchor bolt setting	00403	03/11/04	\$0.00	138
	Steel Gussets/ Precast Modification	00428	03/11/04	\$0.00	139

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT
CHANGE DETAIL ANALYSIS
 (January 1, 2004, to March 31, 2004)

Building	Description	Change Number	Date Executed	VALUE	
	IB#146 TOS elevation	00445	03/11/04	\$0.00	140
	IB#72 H/33 A.B./rebar congestion	00264	03/12/04	\$447.00	141
	IB#46 AnchrBolt InfrnceGridK-21	00028R1	03/24/04	\$284.00	142
	CONFIRM T.O.S. ELEVATIONS	00121	03/24/04	\$1,901.00	143
	CONFIRMATION OF HW LINE SIZES	00205R1	03/24/04	\$0.00	144
	PIPE SIZE AT COL. 29/G.5	00236R1	03/24/04	\$4,469.00	145
	Col. Furring Conflict, Shaft 24/D	00369R1	03/24/04	\$445.00	146
	OCO#3 Revise TI&O Program Req.	00385	03/24/04	\$0.00	147
	IB#132 Stair H2 Clarification	00416	03/24/04	\$1,567.00	148
	IB#136 Kwik Bolt II Embedment	00419	03/24/04	\$0.00	149
	Issues Resolution-65 day Delay Impacts & gusset plate	235R2	03/31/04	\$1,299,386.00	150
					151
Final Site	Contaminated Groundwater	00007	03/29/04	\$115,000.00	
VALUE OF CHANGES - January 1, 2004 TO March 31, 2004:				<u>\$ 2,911,976.00</u>	<u>\$ 2,911,976.00</u>

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT**CHANGE DETAIL ANALYSIS**
(January 1, 2004, to March 31, 2004)**MEDICAL EQUIPMENT CHANGES**

Description		Date Executed	Value
1A	Delete Inpatient Robotic Pharmacy system and replace with Pyxis System	07/16/2003	(\$194,000.00)
19	Oncology Department-Delete tissue compensator system and orthovoltage therapy unit	10/10/2003	(\$229,050.00)
4	Replace Medium Energy Linear Accelerator (LI23) with High Energy Linear Accelerator	03/17/2004	\$524,086.00
MEDICAL EQUIPMENT CHANGES - JANUARY 1, 2004, TO MARCH 31, 2004:			\$101,036.00

Note:

1. Items 1A and 19 above were deletions approved by the CAO on the respective dates indicated. Because execution of contract changes for these deletions was not required, they were inadvertently omitted from the prior reports.

LAC+USC MEDICAL CENTER REPLACEMENT PROJECT
CHANGE DETAIL ANALYSIS
 (January 1, 2004, to March 31, 2004)

A/E AND CONSULTANT SERVICES CHANGES

Description		Supplemental Agreement	Value
A/E	Plan Changes to D&T-IPT Pharmacy	3	\$44,629.00
A/E AND CONSULTANT SERVICES CHANGES - JANUARY 1, 2004, TO MARCH 31, 2004:			<u>\$44,629.00</u>